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MAMFTD  
27 Aug 1980

Title: NAVY'S "ATLAS OF THE OCEANS"  
DESERVES STATE PRIZE NOMINATION

Primary source: Zarya Vostoka,  
August 5, 1980, No. 180 (16756), p.  
3, cols. 7-8

Extract: "Atlas of the Oceans" --  
this two-volume set, which was com-  
piled by the USSR Ministry of Defense  
and the Navy, may boldly be called  
an epochal cartographic work. It  
was developed by a collective of  
numerous authors, involving the  
collaboration of many scientific  
and scientific-technical institu-  
tions and agencies under the direc-  
tion and with the direct participa-  
tion of admirals S. Gorshkov, V.  
Alekseyev and A. Rassokho, Captain  
1st Rank V. Fadeyev, corresponding  
member of the USSR Academy of Sci-  
ences A. Monin, Doctor of Technical  
Sciences, Prof. K. Salishchev,  
Doctor of Geological-Mineralogical  
Sciences, Prof. G. Gorshkov, Doctor  
of Geographic Sciences, Prof. A.  
Muromtsev, Doctor of Geographic  
Sciences, Prof. Kh. Pogosyan, and  
L. Lukanova, M. Seregin and Ye.  
Chechulina.

The systematic mapping of the  
oceans that culminated in the two-  
volume "Atlas of the Oceans" has  
revealed for science a multitude of  
previously unknown laws governing  
the spatial relationships that are  
constantly taking form in the world's  
oceans in connection with the unique  
processes that are occurring through  
the interplay of energy, matter and  
information in four subsystems --  
lithosphere, atmosphere, hydrosphere  
and biosphere, and also within each  
of them. Chapters of the atlas are  
correspondingly devoted to these  
subsystems.

The publication of the "Atlas of  
the Oceans" represents an important  
event in the life of science. Here  
the method of scientific modeling  
presents extensive opportunities to  
a broad circle of scientists to draw  
out more and more knowledge about our  
planet, and it opens the way for  
further investigations on new sci-  
entific levels. It is therefore not  
a matter of chance that this unique  
scientific labor has been nominated  
for the USSR State Prize in the field  
of science.

Title: SOLAR PHYSICS RESEARCH AT  
SAYAN MOUNTAIN OBSERVATORY

Primary source: Komsomol'skaya  
pravda, August 16, 1980, No. 189  
(16895), p. 4, cols. 2-5

Entire text: The solar observatory  
of the Siberian Institute of Earth  
Magnetism, the Ionosphere and the  
Propagation of Radio Waves of the  
USSR Academy of Sciences' Siberian  
Branch (SO) is located high in the  
Eastern Sayan Mountains. Scientists  
have installed highly complex equip-  
ment and built a small city for the  
high-altitude solar expedition's  
work and life among craggy peaks  
and snowy summits.

The sun is observed closely through  
the lenses of large non-eclipse  
coronagraphs; the mirrors of hori-  
zontal solar telescopes turn in  
obedience to commands. The eleva-  
tion is 2000 meters! Not many  
similar observatories are to be  
found in the country. The Siberian  
scientists are pursuing work for the  
study of solar physics here. A par-  
ticularly large amount of work is now  
being done in accordance with the in-  
ternational program "Solar Maximum  
Year".

The study of the sun and processes  
connected with changes in its activity  
will help to predict the behavior of  
our star in advance. And data ob-  
tained at the observatory are now  
being used for more than just basic  
research.

(A photograph is given showing  
two mountain observatories.)

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